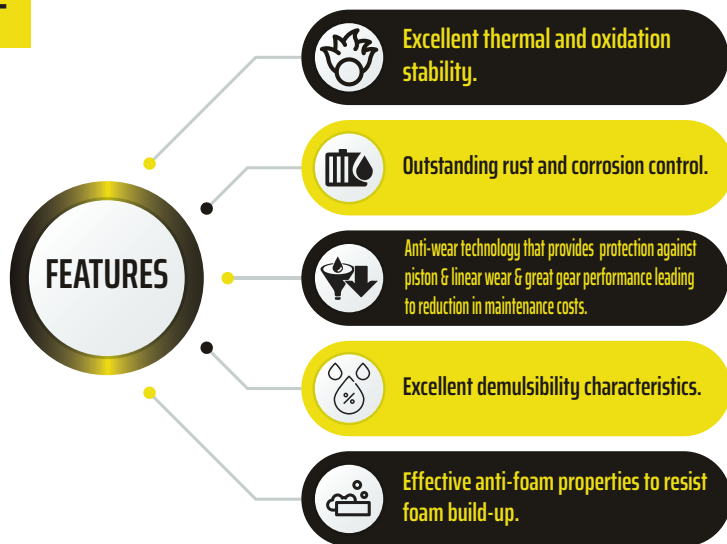




SHIELD - MARINE TRUNK PISTON ENGINE OIL

DESCRIPTION

Shield's Marine Trunk Piston Engine Oil (TPEO) is designed for use in medium speed diesel engines operating on residual fuels in marine, power generation and industrial applications. The superior additive technology used in this oil provides excellent engine cleanliness & wear protection under different operating conditions. This oil is available in SAE 30 & 40 viscosity grades with a Total Base Number (TBN) ranging from 30 to 55.



PERFORMANCE LEVELS:

- Wartsila 12V38A ESN

APPLICATIONS:

Shield's Marine Trunk Piston Engine Oil (TPEO) is recommended for medium speed diesel engines in marine, power generation and industrial applications operating on residual fuels also for general lubrication of shipboard equipment where specialized lubricants are not required.

TYPICAL PHYSICAL PROPERTIES

SL#	Characteristics Unit	Test Method	ISO Grades						
			3030	3040	3055	4030	4040	4050	4055
1	SAE Grade	-	30	30	30	40	40	40	40
2	Kinematic Viscosity @ 100°C	ASTM D 445	11	11	11	14	14	14	14
3	Viscosity Index	ASTM D 2270	>95	>95	>95	>95	>95	>95	>95
4	Flash Point, °C	ASTM D 97	230	230	230	240	240	240	240
5	Pour Point, °C	ASTM D 1401	-9	-9	-9	-9	-9	-9	-9
6	Total Base Number, mgKOH/g	ASTM D 2896	27-32	38-43	48-58	27-32	38-43	46-53	48-58

*Exact specifications may slightly vary from the above, but within the international standards.